

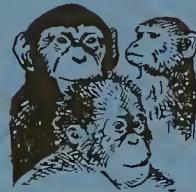
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# MAMMALS IMPORTED INTO THE UNITED STATES IN 1971



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UNITED STATES DEPARTMENT OF THE INTERIOR  
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Special Scientific Report—Wildlife No. 171



UNITED STATES DEPARTMENT OF THE INTERIOR  
Fish and Wildlife Service  
Bureau of Sport Fisheries and Wildlife

**MAMMALS IMPORTED INTO THE UNITED STATES IN 1971**

By

Roger B. Clapp

Bird and Mammal Laboratories  
Division of Wildlife Research  
Bureau of Sport Fisheries and Wildlife

and

John L. Paradiso

Office of Endangered Species and International Activities  
Bureau of Sport Fisheries and Wildlife



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## ABSTRACT

Mammals imported into the United States in 1971 are tabulated by species and country of origin. Total numbers imported from 1968 through 1971 are given for higher taxa and for species most frequently imported. The numbers of mammals imported in 1971 decreased slightly from those imported in 1970 largely as a result of decreased importation of rabbits from Canada. Lists of rare and endangered species imported and of mammals whose importation is restricted are also given.

This report is the fourth in a series listing the numbers and species of mammals imported into the United States. As in the earlier reports (Jones, 1970; Jones and Paradiso, 1972; Paradiso and Fisher, 1972), this report is based on an analysis of import declaration forms (U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife Form 3-177) filed at ports of entry where wildlife shipments are presented for customs clearance.

The purpose of this report is to list, by species, the number of mammals declared for importation into the United States in 1971. Scientists, wildlife managers, conservationists, and others may be interested in this list because: it will indicate pressures exerted on certain populations of wild mammals and point out the need for their conservation; it may reveal species that could become pests if established in the wild; it will help mammalogists determine the source of exotic species found in the wild; it will indicate taxa of mammals that must be identified at ports of entry to prevent importation of prohibited mammals; it may suggest improvements in procedures of recording declarations of imported wildlife; and it may indicate the availability of species that are useful in research. Comparison of this list with previous ones and with lists that may be issued in the future may indicate trends or changes in importance of various species in research and in the pet trade.

## PROCEDURES

Procedures were largely as indicated in Clapp and Banks (1973). A notebook was compiled, from original and xerographic copies of forms, that listed totals by species name, by country, and by number imported. We found, as in that study, that the combinations of common and scientific names used were often of an appallingly low order of accuracy. For example, the great preponderance of raccoons were listed as *Procyon lotor*, although the area of origin for most of them suggests to us that almost all were certainly *P. cancrivorus*. Primate names, particularly those of South American species, also were frequently suspect. Peculiar combinations of common and scientific names, when taken in conjunction with known geographic ranges of the species, clearly indicated that many South American monkeys are poorly or inadequately identified on the import forms. This seemed particularly true of the genera *Cebus*, *Ateles*, and *Saguinus*, except *S. oedipus*. Soini (1972) has indicated, for example, that the principal species of tamarin exported from the Amazonian region of Peru is *Saguinus fuscicollis*, including *S. illigeri*, yet a total of only 293 of 1,472 (20%) *Saguinus* imported from Peru in 1970 and 1971 were reported on declaration forms as *illigeri* and none were reported as *fuscicollis*.

Some scientific names were also used as a "catchall" for species in a genus or even for species belonging to different families. *Coendou prehensilis*, for example, was used for porcupines from Honduras and Nicaragua although the only species in this genus occurring there is *C. mexicanus*. The name was also used for seven porcupines imported from Thailand although the animals were certainly hystricids rather than erethizontids. Frequently species were listed with only generic names although only one species occurs in the stated country of origin. For example, Three-toed Sloths were listed as *Bradypus* sp. when in a number of instances it seems almost certain that they could be safely identified as *B. infuscatus*.

As a consequence of our analysis we have in some instances rejected the identifications listed on the import declarations and have preferred to list the animals in question under less specific names. In other instances we have supplied a species identification on the basis of geographic range as well as on a consideration of the general level of taxonomic competence (or incompetence) exhibited by a given importer. Although it is possible that some errors may have been incorporated as a result of our analysis, we feel that, on the whole, our procedure has resulted in a more accurate appraisal of what animals are actually imported.

Nomenclature of mammals used in this report follows the sources listed in the preceding report (Paradiso and Fisher, 1972). Orders and families are arranged in phylogenetic sequence according to Anderson and Jones (1967); names of genera are alphabetized within each family.

This report is not intended in any way as a systematic treatment. No scientific or common names or combinations of names used herein are proposed as new names.

#### NUMBER OF MAMMALS IMPORTED, BY ORDER AND FAMILY

The following list of the number of imported mammals in the various orders and families will serve in part both as a Table of Contents and Summary of the Systematic List which follows it. Totals for 1968 through 1971 are included and should serve as a summary of the overall magnitude of mammal importations during these 4 years.

TABLE OF CONTENTS AND SUMMARY OF IMPORTATION BY ORDERS  
AND FAMILIES - 1968-1971

Page	Group	Number in Family 1971	Number in Family 1968-1971	Number in Order 1971	Number in Order 1968-1971
7	Monotremata			5	21
7	Tachyglossidae	5	21		
7	Marsupialia			1,645	5,993
7	Didelphidae	1,446	4,440		
	Dasyuridae	--	32		
	Peramelidae	--	12		
7	Phalangeridae	32	1,097		
	Phascolomidae	--	3		
8	Macropodidae	167	409		
8	Insectivora			871	2,855
8	Erinaceidae	155	705		
9	Tenrecidae	8	10		
	Solenodontidae	--	4		
	Soricidae	--	17		
9	Tupaiidae	708	2,119		
9	Dermoptera			8	14
9	Cynocephalidae	8	14		
9	Chiroptera			322	1,454 <sup>1/</sup>
9	Pteropidae	10	39		
	Noctilionidae	--	43		
	Megadermatidae	--	6		
	Rhinolophidae	--	22		
9	Phyllostomatidae <sup>2/</sup>	312	1,290 <sup>1/</sup>		
	Thyropteridae	--	*		
	Vesptertilionidae	--	5		
	Molossidae	--	49 <sup>1/</sup>		

<sup>1</sup>This total is low because no number was listed on the import declarations for some animals imported in 1968.

<sup>2</sup>This taxon includes the families Mormoopidae and Desmodontidae, which were listed separately in earlier import listings.

\*No number was listed on the 1968 import declarations.

Page	Group	Number in Family 1971	Number in Family 1968-1971	Number in Order 1971	Number in Order 1968-1971
10	Primates			79,887	380,841
10	Lemuridae	17	37		
	Indridae	--	11		
10	Lorisidae	438	1,242		
	Tarsiidae	--	1		
10	Cebidae	43,675	214,137		
13	Callithricidae	5,552	24,659		
14	Cercopithecidae	29,810	139,205		
17	Hylobatidae	139	539		
17	Pongidae	211	965		
18	(Unidentifiable Primates)	45	45		
18	Edentata			634	2,537
18	Myrmecophagidae	489	1,865		
18	Bradypodidae	60	484		
19	Dasypodidae	85	188		
19	Pholidota			23	62
19	Manidae	23	62		
19	Lagomorpha			60	14,008
19	Leporidae	60	14,008		
20	Rodentia			1,742	8,211
20	Sciuridae	746	2,127		
21	Heteromyidae	20	61		
21	Pedetidae	14	42		
21	Cricetidae	71	490		
21	Muridae	290	1,446		
	Gliridae	--	10		
21	Hystricidae	17	75		
22	Erethizontidae	35	155		
22	Caviidae	30	1,771		
22	Hydrochaeridae	172	650		
22	Dinomyidae	1	18		
22	Dasyprotidae	327	1,222		
23	Chinchillidae	7	83		
	Capromyidae	--	49		
23	+Octodontidae	5	5		
23	+Echimyidae	7	7		

<sup>+</sup>Indicates a family that did not appear in previous listings.

Page	Group	Number in Family 1971	Number in Family 1968-1971	Number in Order 1971	Number in Order 1968-1971
23	Cetacea			17	100
23	+Eschrichtiidae	1	1		
	Balaenopteridae	--	3		
	Monodontidae	--	3		
24	Platanistidae	4	11		
	Phocoenidae	--	14		
24	Delphinidae	12	28		
	(Unknown)	--	40		
24	Carnivora			4,156	17,188
24	Canidae	42	135		
24	Ursidae	75	295		
25	Procyonidae	2,703	10,599		
26	Mustelidae	222	1,375		
27	Viverridae	159	224		
	Hyaenidae	--	8		
28	Felidae	955	4,552		
30	Pinnepedia			41	122
30	Otariidae	30	36		
	Odobenidae	--	4		
31	Phocidae	11	82		
	Tubulidentata			--	9
	Orycteropodidae	--	9		
31	Proboscidea			67	170
31	Elephantidae	67	170		
31	Hyracoidea			33	78
31	Procaviidae	33	78		
	Sirenia			--	6
	Trichechidae	--	6		
31	Perissodactyla			129	520
31	Equidae	109	259		
32	Tapiridae	5	228		
32	Rhinocerotidae	15	33		

<sup>+</sup>Indicates a family that did not appear in previous listings.

Page	Group	Number in Family 1971	Number in Family 1968-1971	Number in Order 1971	Number in Order 1968-1971
32	Artiodactyla			201	836
	Suidae	--	3		
	Tayassuidae	--	2		
32	Hippopotamidae	3	10		
32	Camelidae	46	106		
32	Cervidae	79	165		
33	Giraffidae	7	51		
	Antilocapridae	--	3		
33	Bovidae	66	496		
	Unknown	13	977	13	977
		<u>89,854</u>	<u>436,002</u>	<u>89,854</u>	<u>436,002</u>

SYSTEMATIC LIST\*

Common Name	Scientific Name	Country of Origin	Number Reported
MONOTREMATA			
TACHYGLOSSIDAE			
Spiny Anteater	<i>Tachyglossus aculeatus</i>	New Guinea	1
Spiny Anteater	+ <i>Tachyglossus setosus</i>	Australia	2
New Guinean Spiny Anteater	<i>Zaglossus bruijni</i>	New Guinea	2
MARSUPIALIA			
DIDELPHIDAE			
Woolly Opossum	<i>Caluromys derbianus</i>	Costa Rica	7
		Honduras	19
		Nicaragua	1
		Panama	4
			<u>31</u>
Murine Opossum	<i>Marmosa robinsoni</i>	Colombia	61
Murine Opossum	<i>Marmosa</i> sp.	Argentina	2
Mouse Opossum		Colombia	1,311
Pigmy Opossum		Nicaragua	12
		Peru	1
			<u>1,326</u>
Brown Four-eyed Opossum	<i>Metachirus nudicaudatus</i>	Honduras	10
Gray Four-eyed Opossum	<i>Philander opossum</i>	Nicaragua	18
PHALANGERIDAE			
Cuscus	<i>Phalanger orientalis</i>	Br. Solomon Is	4
Brush-tailed Possum	<i>Trichosurus vulpecula</i>	New Zealand	28

\*The proper scientific name appears opposite the first common name. Indented below the proper scientific name are synonyms and other combinations used in conjunction with one or more of the common names listed. All numerical entries refer to the first combination of common and scientific names listed.

+Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
MACROPODIDAE			
Doria's Tree Kangaroo	<sup>+</sup> <i>Dendrolagus dorianus</i>	New Guinea	2
Goodfellow's Tree Kangaroo	<i>Dendrolagus goodfellowi</i>	New Guinea	9
Tree Kangaroo	<i>Dendrolagus</i> sp.	New Guinea	6
Scrub Wallaby Dama Wallaby	<i>Macropus eugenii</i> <i>Wallabia eugenii</i>	New Zealand	81
Wallaroo	<i>Macropus robustus</i>	Australia	2
Red-necked Wallaby Bennett's Wallaby	<i>Macropus rufogriseus</i> <i>Wallabia rufogrisea</i>	Australia Indonesia New Zealand	2 13 6 <u>21</u>
Red Kangaroo	<i>Megaleia rufa</i> <i>Macropus rufus</i>	Australia Unknown	1 1 <u>2</u>
Kangaroo	-----	Australia	3
Rock Wallaby	<i>Petrogale penicillata</i>	New Zealand	3
Rock Wallaby	<i>Petrogale</i> sp.	Australia Singapore New Zealand	15 2 10 <u>27</u>
Wallaby	-----	Canada New Zealand	1 6 <u>7</u>
Long-nosed Rat-Kangaroo	<sup>+</sup> <i>Potorous tridactylus</i>	Australia	4
INSECTIVORA			
ERINACEIDAE			
Senegambian Hedgehog	<i>Erinaceus albiventris</i>	Dahomey	17

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
European Hedgehog	<i>Erinaceus europaeus</i>	France Pakistan West Germany	12 30 10 52
Long-eared Desert Hedgehog	<i>Hemiechinus auritus</i>	Pakistan	50
Long-eared Desert Hedgehog	<i>Hemiechinus megalotis</i>	Pakistan	9
Ethiopian Hedgehog	<i>Paraechinus aethiopicus</i>	West Germany	17
Algerian Hedgehog	-----	West Germany	10
	TENRECIDAE		
Streaked Tenrec	+ <i>Hemicentetes</i> sp.	Madagascar	8
	TUPAIIDAE		
Common Tree Shrew	<i>Tupaia glis</i>	Thailand	627
Tree Shrew	<i>Tupaia</i> sp.	Thailand	81
	DERMOPTERA		
	CYNOCEPHALIDAE		
Gliding Lemur	<i>Cynocephalus variegatus</i>	Thailand	8
	CHIROPTERA		
	PTEROPODIDAE		
Indian Flying Fox	<i>Pteropus giganteus</i>	Thailand	5
Gray-headed Fruit Bat	+ <i>Pteropus poliocephalus</i>	Australia	5
	PHYLLOSTOMATIDAE		
Short-tailed Fruit Bat	<i>Carollia perspicillata</i>	Trinidad	40
Vampire Bat	<i>Desmodus rotundus</i>	Mexico	272

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
PRIMATES			
LEMURIDAE			
Ring-tailed Lemur	<i>Lemur catta</i>	Canada France	1 2 <u>3</u>
Mongoose Lemur	<i>Lemur mongoz</i>	France	9
Ruffed Lemur	<i>Lemur variegatus</i>	Madagascar Switzerland	2 <u>1</u> <u>3</u>
Lesser Mouse Lemur	<i>Microcebus murinus</i>	Madagascar	2
LORISIDAE			
Angwantibo	+ <i>Arctocebus calabarensis</i>	Cameroon	1
Allen's Galago	+ <i>Galago alleni</i>	Cameroon	1
Demidoff's Galago	<i>Galago demidovii</i>	Cameroon Dahomey	1 <u>150</u> <u>151</u>
Senegal Galago Bushbaby Night Ape	<i>Galago senegalensis</i>	Botswana Kenya	108 53 <u>161</u>
Slender Loris	<i>Loris tardigradus</i>	West Germany	2
Slow Loris	<i>Nycticebus coucang</i>	Singapore Thailand	13 59 <u>72</u>
Potto Bosman's Potto	<i>Perodicticus potto</i>	Dahomey Liberia	48 2 <u>50</u>
CEBIDAE			
Black Howler Monkey	+ <i>Alouatta caraya</i>	Paraguay	18

\*Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
Red Howler Monkey	<i>Alouatta seniculus</i>	Colombia Peru	10 1 <u>11</u>
Mantled Howler Monkey	<i>Alouatta villosa</i> <i>Alouatta palliata</i>	Colombia Honduras Nicaragua	12 2 33 <u>47</u>
Douroucouli Owl Monkey Night Monkey	<i>Aotus trivirgatus</i>	Colombia Panama Paraguay Peru	3,069 4 1 654 <u>3,728</u>
Long-haired Spider Monkey	<i>Ateles belzebuth</i>	Colombia Peru	14 27 <u>41</u>
Brown-headed Spider Monkey	<i>Ateles fusciceps</i>	Colombia	129
Black-handed Spider Monkey	<i>Ateles geoffroyi</i>	Colombia Costa Rica Honduras Nicaragua Panama Peru	612 6 10 870 2 117 <u>1,617</u>
Black Spider Monkey	<i>Ateles paniscus</i>	Peru	82
Spider Monkey	<i>Ateles</i> sp.	Colombia Peru	15 5 <u>20</u>
Dusky Titi Monkey Red Titi Monkey	<i>Callicebus moloch</i> <i>Callicebus cupreus</i>	Colombia Paraguay Peru	9 1 30 <u>40</u>
Titi Monkey	<i>Callicebus</i> sp.	Colombia Peru	82 52 <u>134</u>

Common Name	Scientific Name	Country of Origin	Number Reported
White-fronted Capuchin Cinnamon Ringtail Ringtail Monkey	<i>Cebus albifrons</i> <i>Cebus aequatorialis</i>	Brazil Colombia Ecuador Guyana Paraguay Peru	37 1,343 4 27 69 741 <u>2,221</u>
Black-capped Capuchin Tufted Capuchin	<i>Cebus apella</i> <i>Cebus paraguayanus</i>	Colombia Guyana Paraguay Peru	131 4 497 1,404 <u>2,036</u>
White-throated Capuchin White-faced Ringtail White-faced Sapajou	<i>Cebus capucinus</i>	Brazil Colombia Costa Rica Ecuador Guyana Honduras Nicaragua Panama	3 928 1 28 10 20 142 1 <u>1,133</u>
Weeper Capuchin	<i>Cebus nigrovittatus</i>	Colombia Paraguay Peru	22 10 1 <u>33</u>
Capuchin	<i>Cebus</i> sp.	Paraguay	196
Woolly Monkey	<i>Lagothrix lagothricha</i> <i>Lagothrix cana</i>	Brazil Colombia Ecuador Peru	2 442 1 1,781 <u>2,226</u>
Monk Saki	<i>Pithecia monachus</i>	Colombia Guyana Peru	15 5 63 <u>83</u>
Pale-headed Saki	<i>Pithecia pithecia</i>	Guyana	1

Common Name	Scientific Name	Country of Origin	Number Reported
Squirrel Monkey	+ <i>Saimiri oerstedii</i>	Nicaragua	2
Squirrel Monkey	<i>Saimiri sciureus</i>	Brazil	253
		Colombia	6,276
		Guyana	424
		Peru	22,924
			<u>29,877</u>

#### CALLITHRICIDAE

White-fronted Marmoset	<i>Callithrix geoffroyi</i>	Brazil	24
Common Marmoset	<i>Callithrix jacchus</i>	Brazil	3
Black-eared Marmoset	<i>Callithrix penicillata</i>	Brazil	26
Pigmy Marmoset	<i>Cebuella pygmaea</i>	Colombia	127
		Peru	39
			<u>166</u>
Geoffroy's Tamarin	<i>Saguinus geoffroyi</i>	Panama	12
Red-mantled Tamarin	<i>Saguinus illigeri</i>	Peru	293
Moustached Tamarin	<i>Saguinus mystax</i>	Colombia	735 <sup>1</sup>
		Peru	128
			<u>863</u>
White-lipped Tamarin	<i>Saguinus nigricollis</i>	Colombia	982 <sup>1</sup>
		Guyana	8
		Peru	797
			<u>1,787</u>
Cotton-top Marmoset	<i>Saguinus oedipus</i> <i>Oedipomidas oedipus</i>	Brazil	300 <sup>2</sup>
		Colombia	1,999
		Peru	75
			<u>2,374</u>

<sup>1</sup>Indicates a species or family that did not appear in previous listings.

<sup>2</sup>Possibly these animals were misidentified or transhipped from other countries as this species is not native to the country of origin listed.

<sup>2</sup>Possibly these animals were misidentified.

Common Name	Scientific Name	Country of Origin	Number Reported
Negro Marmoset	<i>Saguinus tamarin</i>	Honduras	1
Marmoset	-----	Peru	3
CERCOPITHECIDAE			
Sooty Mangabey	<i>Cercocebus atys</i> <i>Cercocebus fuliginosus</i>	Ghana Liberia	3 1 $\frac{1}{4}$
Grievet Monkey African Green Monkey	<i>Cercopithecus aethiops</i>	Ethiopia Somalia	1,131 1,080 $\underline{2,211}$
Redtail Monkey	<i>Cercopithecus ascanius</i>	Kenya	6
Diana Monkey	<i>Cercopithecus diana</i>	Ghana Liberia Sierra Leone	1 4 32 $\underline{37}$
Mona Monkey Mona Guenon	<i>Cercopithecus mona</i>	Dahomey England Ghana Liberia Sierra Leone	8 1 5 1 6 $\underline{21}$
De Brazza's Monkey	<i>Cercopithecus neglectus</i>	Kenya	3
Spot-nosed Monkey Putty-nosed Monkey White-nosed Monkey Spot-nosed Guenon	<i>Cercopithecus nictitans</i>	Ghana Liberia Nigeria Sierra Leone	13 3 1 8 $\underline{25}$
Allen's Swamp Monkey	<i>Cercopithecus nigroviridis</i>	England	3
Lesser Spot-nosed Monkey	+ <i>Cercopithecus petaurista</i>	Ghana	2
Vervet Monkey African Green Monkey	<i>Cercopithecus pygerythrus</i>	Botswana Kenya Tanzania	1 275 330 $\underline{606}$ <sup>3</sup> /

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

<sup>3</sup>Most of these animals were listed on the import declarations as *C. aethiops*, but we have included them as these species on the basis of the ranges given by Dandelot (1959)

Common Name	Scientific Name	Country of Origin	Number Reported
Green Monkey	+ <i>Cercopithecus sabaeus</i>	Ghana Sierra Leone	3 3 <u>6</u> <sup>4/</sup>
Monkey	<i>Cercopithecus</i> sp.	Ethiopia	15
Colobus Monkey	<i>Colobus guereza</i>	Kenya	7
Colobus Monkey	<i>Colobus</i> sp.	Kenya	6
Patas Monkey	<i>Erythrocebus patas</i>	Ghana Nigeria Sudan	13 90 2 <u>105</u>
Stump-tailed Macaque	<i>Macaca arctoides</i> <i>Macaca speciosa</i>	Laos Malaysia Singapore Thailand	6 127 5 1,069 <u>1,207</u>
Formosan Rock Macaque	<i>Macaca cyclopis</i>	Taiwan	20
Crab-eating Macaque	<i>Macaca fascicularis</i>	Indonesia	50
Cynomolgus Monkey	<i>Macaca irus</i>	Laos	1
Java Macaque		Malaysia	984
Longtail Macaque		Philippines	430
		Singapore	7
		Thailand	255 <u>1,727</u>
Celebes Macaque	<i>Macaca maura</i>	Singapore	6
Rhesus Macaque	<i>Macaca mulatta</i>	England	6
Rhesus Monkey		India	21,376
		Laos	6
		Pakistan	190
		S. Vietnam	1
		Thailand	518 <u>22,097</u>

<sup>4</sup>Indicates a species or family that did not appear in previous listings.

<sup>5</sup>Most of these animals were listed on the import declarations as *C. aethiops*, but we have included them as these species on the basis of the ranges given by Dandelot (1959).

Common Name	Scientific Name	Country of Origin	Number Reported
Pig-tailed Macaque	<i>Macaca nemestrina</i>	Indonesia	30
		Laos	6
		Malaysia	147
		Singapore	2
		Thailand	251
			<u>436</u>
Celebes Black Ape	<i>Macaca nigra</i> <i>Cynopithecus niger</i>	Singapore	5
Bonnet Monkey	<i>Macaca radiata</i>	India	28
Lion-tailed Macaque	<i>Macaca silenus</i>	India	2
Barbary Ape	<i>Macaca sylvana</i>	Morocco	5
Swart Macaque	<i>Macaca</i> sp.	Thailand	34
Swart Monkey	<i>M. assamensis</i>		
Swartz	<i>M. sinica</i>		
	<i>M. speciosa</i>		
	<i>M. cynomolgus</i>		
	<i>M. silenus</i>		
Proboscis Monkey	<i>Nasalis larvatus</i>	Indonesia	2
Olive Baboon	<i>Papio anubis</i> <i>P. a. doguera</i>	Ethiopia	22
		Ghana	2
		Kenya	530
		Senegal	50
		Tanzania	131
		Unknown	16
			<u>751</u>
Yellow Baboon	<i>Papio cynocephalus</i>	Kenya	231
		Tanzania	29
			<u>260</u>
Hamadryas Baboon	<i>Papio hamadryas</i>	Ethiopia	20
		Netherlands	2
			<u>22</u>
Guinea Baboon	<i>Papio papio</i>	Senegal	32
Baboon	<i>Papio</i> sp.	Kenya	27
Silvered Leaf Monkey	<i>Presbytis cristatus</i>	Singapore	1
		Thailand	34
			<u>35</u>

Common Name	Scientific Name	Country of Origin	Number Reported
Hanuman Langur	<i>Presbytis entellus</i>	Indonesia Thailand	1 19 <u>20</u>
Banded Leaf Monkey	<i>Presbytis melalophos</i>	Malaysia	2
Dusky Langur Spectacled Langur	<i>Presbytis obscurus</i>	Malaysia Thailand	1 9 <u>10</u>
Douc Langur	<i>Pygathrix nemaeus</i>	Thailand	5
Gelada Baboon	<i>Theropithecus gelada</i>	Ethiopia	20
	HYLOBATIDAE		
Dark-handed Gibbon	<i>Hylobates agilis</i>	Laos	29
Black Gibbon White-cheeked Gibbon	<i>Hylobates concolor</i>	Laos Singapore	32 2 <u>34</u>
White-handed Gibbon	<i>Hylobates lar</i>	Laos Singapore	14 13 <u>27</u>
Siamang Gibbon	<i>Hylobates syndactylus</i> <i>Sympalangus syndactylus</i>	Singapore Thailand	42 1 <u>43</u>
Gibbon	<i>Hylobates</i> sp.	Laos	6
	PONGIDAE		
Chimpanzee	<i>Chimpanzee troglodytes</i> <i>Pan troglodytes</i> <i>Anthropithecus troglodytes</i>	Ghana Ivory Coast Liberia Sierra Leone Unknown	4 10 87 103 1 <u>205</u>
Gorilla	<i>Gorilla gorilla</i> <i>G. g. gorilla</i>	Congo Israel West Germany	1 1 3 <u>5</u>

Common Name	Scientific Name	Country of Origin	Number Reported
Orang-utan	<i>Pongo pygmaeus</i>	Netherlands	1
-----	(Unidentifiable Primates) <sup>5/</sup>	Colombia	1
		Kenya	2
		Laos	1
		Thailand	41
			<u>45</u>

#### EDENTATA

##### MYRMECOPHAGIDAE

Silky Anteater	<i>Cyclopes didactylus</i>	Costa Rica	1
		Panama	3
		Trinidad	1
			<u>5</u>

Giant Anteater	<i>Myrmecophaga tridactyla</i>	Colombia	63
Greater Anteater	<i>Myrmecophaga jubata</i>	Guyana	2
		Peru	10
			<u>75</u>

Tamandua	<i>Tamandua tetradactyla</i>	Colombia	386
Lesser Anteater		Honduras	2
		Peru	21
			<u>409</u>

##### BRADYPODIDAE

Three-toed Sloth	<i>+Bradypus infuscatus</i>	Colombia	22
		Nicaragua	3
		Peru	3
			<u>28</u>

Two-toed Sloth	<i>Choloepus didactylus</i>	Colombia	13
		Peru	2
			<u>15</u>

Two-toed Sloth	<i>Choloepus hoffmanni</i>	Colombia	4
Hoffmann's Sloth		Nicaragua	5
		Panama	5
		Peru	3
			<u>17</u>

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

<sup>5</sup>These include all primates whose names on the import forms were so inadequate (e.g. "monkey" with no scientific name listed) that we could not assign them to any family).

Common Name	Scientific Name	Country of Origin	Number Reported
DASYPODIDAE			
Naked-tailed Armadillo	+ <i>Cabassous centralis</i>	Honduras	12
Hairy Armadillo	<i>Chaetophractus villosus</i>	Paraguay	45
Nine-banded Armadillo	<i>Dasypus novemcinctus</i>	Brit. Honduras Mexico Trinidad	5 1 7 <u>13</u>
Seven-banded Armadillo	+ <i>Dasypus septemcinctus</i>	Argentina	2
Three-banded Armadillo	<i>Tolypeutes matacus</i>	Argentina	8
Armadillo	-----	Guyana Paraguay Peru	2 2 1 <u>5</u>

PHOLIDOTA

MANIDAE

Malayan Pangolin	<i>Manis javanica</i>	Thailand	13
Chinese Pangolin	<i>Manis pentadactyla</i>	Thailand	1
African Tree Pangolin	<i>Manis tricuspidis</i>	Cameroon	1
Pangolin	<i>Manis</i> sp.	Thailand	8

LAGOMORPHA

LEPORIDAE

Snowshoe Hare	<i>Lepus americanus</i>	Canada	60
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<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
RODENTIA			
SCIURIDAE			
Black Flying Squirrel	<sup>†</sup> <i>Aeromys</i> sp.	Thailand	6
Finlayson's Squirrel	<i>Callosciurus finlaysoni</i>	Thailand	8
Prevost's Squirrel	<i>Callosciurus prevosti</i>	Thailand	4
Beautiful Squirrel	<i>Callosciurus</i> sp.	Thailand	136
Yellow-bellied Marmot	<sup>†</sup> <i>Marmota flaviventris</i>	Canada	4
Berdmore's Squirrel	<sup>†</sup> <i>Menetes berdmorei</i>	Thailand	1
Common Giant Flying Squirrel	<sup>†</sup> <i>Petaurista petaurista</i>	Thailand	1
Dwarf Flying Squirrel	<sup>†</sup> <i>Petinomys setosus</i> <i>Petinomys phipsoni</i>	Thailand	30
Malayan Giant Squirrel	<sup>†</sup> <i>Ratufa bicolor</i>	Thailand	2
Indian Giant Squirrel	<i>Ratufa indica</i>	Thailand	1
Tropical Red Squirrel	<i>Sciurus granatensis</i>	Colombia Honduras Nicaragua	234 2 10 246
Variegated Squirrel	<i>Sciurus variegatoides</i>	Honduras	9
Silver Squirrel		Nicaragua	73 82
Squirrel	<i>Sciurus</i> sp.	Colombia Honduras	25 12 37
Squirrel	-----	Thailand	86
Flying Squirrel	-----	Thailand	102

<sup>†</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
HETEROMYIDAE			
Kangaroo Rat	<i>Dipodomys</i> sp.	Mexico	1
Spiny Pocket Mouse	+ <i>Perognathus spinatus</i>	Mexico	12
Pocket Mouse	<i>Perognathus</i> sp.	Mexico	7
PEDETIDAE			
African Jumping Hare	<i>Pedetes capensis</i>	Botswana	8
Spring Hare		Tanzania	6
			<u>14</u>
CRICETIDAE			
Gerbil	+ <i>Meriones</i> sp.	Israel	30
Wood Rat	<i>Neotoma</i> sp.	Mexico	1
Angel Island Mouse	+ <i>Peromyscus guardia</i> <i>P. g. guardia</i> <i>P. g. interparietalis</i>	Mexico	22
Deer Mouse	<i>Peromyscus</i> sp.	Costa Rica Mexico	4 5 <u>9</u>
Brown Mouse	+ <i>Scotinomys</i> sp.	Costa Rica	5
Climbing Rat	+ <i>Tylomys</i> sp.	Panama	4
MURIDAE			
Pacific Rat	<i>Rattus exulans</i>	Hawaii	290
HYSTRICIDAE			
Brush-tailed Porcupine	<i>Atherurus macrourus</i>	Thailand	1
Malayan Porcupine	<i>Hystrix brachyurum</i>	Thailand	4
African Porcupine	<i>Hystrix galeata</i>	Kenya	1

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
Porcupine	-----	Malaysia Thailand	4 7 <u>11</u>
		ERETHIZONTIDAE	
Prehensile-tailed Porcupine	+ <i>Coendou bicolor</i>	Peru	10
Prehensile-tailed Porcupine	+ <i>Coendou mexicanus</i>	Honduras Nicaragua	5 9 <u>14</u>
Prehensile-tailed Porcupine	<i>Coendou</i> sp.	Colombia	11
		CAVIIDAE	
Guinea Pig	<i>Cavia porcellus</i>	Canada	20
Guinea Pig	<i>Cavia</i> sp.	Peru	10
		HYDROCHAERIDAE	
Capybara	<i>Hydrochaeris hydrochaeris</i> <i>Hydrochaeris capybara</i>	Brazil Colombia Guyana Peru	5 137 1 29 <u>172</u>
		DINOMYIDAE	
Pacarana	<i>Dinomys branickii</i>	Peru	1
		DASYPROCTIDAE	
Paca	<i>Agouti paca</i> <i>Cuniculus paca</i>	Colombia Guyana Honduras Nicaragua Peru	10 1 3 14 29 <u>57</u>

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
Agouti	<i>Dasyprocta aguti</i>	Guyana Panama Peru	1 4 23 <u>28</u>
Agouti	<i>Dasyprocta fuliginosa</i>	Brazil Colombia Guyana Peru	5 22 2 115 <u>144</u>
Agouti	<i>Dasyprocta punctata</i>	Honduras Nicaragua	16 23 <u>39</u>
Agouti	<i>Dasyprocta</i> sp.	Colombia Peru	4 32 <u>36</u>
Acushi	<i>Myoprocta</i> sp.	Peru	23
	CHINCHILLIDAE		
Viscacha	<i>Lagostomus</i> / <i>Lagidium</i> sp.	Argentina	4
Viscacha	+ <i>Lagidium peruanum</i>	Bolivia	3
	+ OCTODONTIDAE		
Brush-tailed Rat	+ <i>Octodontomys gliroides</i>	Bolivia	5
	+ ECHIMYIDAE		
Armored Rat	+ <i>Hopolomys gymnurus</i>	Panama	7
	CETACEA		
	+ ESCHRICHTIIDAE		
Gray Whale	+ <i>Eschrichtius gibbosus</i>	Mexico	1

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
PLATANISTIDAE			
Amazon Dolphin	<i>Inia geoffrensis</i>	Brazil Peru	1 3 $\frac{3}{4}$
DELPHINIDAE			
Killer Whale	<i>Orcinus orca</i>	Canada	1
Gill's Bottle-nosed Dolphin	<i>Tursiops gilli</i>	Mexico	11
CARNIVORA			
CANIDAE			
Domestic Dog	<i>Canis familiaris</i>	Ghana	1
Coyote	<i>Canis latrans</i>	Canada	5
Gray Wolf	<i>Canis lupus</i>	Canada	5
Savannah Fox	<i>Cerdocyon thous</i>	Colombia	4
Maned Wolf	<i>Chrysocyon brachyurus</i>	Denmark West Germany	2 $\frac{1}{3}$ $\frac{15}{18}$
Fennec	<i>Fennecus zerda</i>	Italy Libya Netherlands	2 1 $\frac{15}{18}$
African Hunting Dog	<i>Lycaan pictus</i>	SW. Africa	3
Aardwolf	<i>Proteles cristatus</i>	SW. Africa	1
Bush Dog	<i>Speothos venaticus</i>	Guyana	2
URSIDAE			
Malayan Sun Bear	<i>Helarctos malayanus</i>	Laos Singapore Thailand	1 3 $\frac{25}{29}$

Common Name	Scientific Name	Country of Origin	Number Reported
Sloth Bear	<i>Melursus ursinus</i>	India	5
Asiatic Black Bear	<i>Selenarctos thibetanus</i>	India	14
Himalayan Black Bear	<i>Ursus thibetanus</i>	Thailand	<u>13</u>
			<u>27</u>
Bear	<i>Melursus/Selenarctos</i>	India	2
American Black Bear	<i>Ursus americanus</i>	Canada	5
Brown Bear	<i>Ursus arctos</i>	U.S.S.R.	2
Polar Bear	<i>Ursus maritimus</i>	Canada Unknown	3 2 <u>5</u>

#### PROCYONIDAE

Lesser Panda	<i>Ailurus fulgens</i>	India	17
Cacomistle	<sup>†</sup> <i>Bassaris cus sumichrasti</i> <i>Tentinkia sumichrasti</i>	Brit. Honduras Honduras	1 2 <u>3</u>
Coati	<i>Nasua nasua</i> <i>Nasua narica</i>	Colombia Ecuador Guyana Honduras Mexico Nicaragua Panama Paraguay Peru Unknown	99 3 5 176 1 101 9 73 661 <u>1</u> <u>1,129</u>
Little Coati	<sup>†</sup> <i>Nasuella olivacea</i>	Guyana	3

<sup>†</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
Kinkajou	<i>Potos flavus</i>	Colombia	203
Honeybear		Ecuador	84
Mico Leon		Guatemala	1
		Guyana	5
		Honduras	20
		Mexico	4
		Nicaragua	23
		Peru	216
			<u>556</u>
Crab-eating Raccoon	<i>Procyon cancrivorus</i>	Colombia	950 <sup>6/</sup>
	<i>Procyon lotor</i>	Guyana	<u>1</u> <sup>6/</sup>
		Honduras	2
		Nicaragua	8
			<u>961</u>
Raccoon	<i>Procyon lotor</i>	Honduras	10
		Nicaragua	24
			<u>34</u>
MUSTELIDAE			
Oriental Small-clawed Otter	<i>Amblyonyx cinerea</i>	Malaysia	10
		Thailand	69
			<u>79</u>
Tayra	<i>Eira barbara</i>	Colombia	32
		Honduras	2
		Peru	16
			<u>50</u>
Grison	<i>Galictis vittata</i>	Colombia	34
		Ecuador	3
		Honduras	3
		Paraguay	2
		Peru	1
			<u>43</u>
Grison	<i>Galictis</i> sp.	Paraguay	2
Wolverine	<i>Gulo gulo</i>	Canada	1
Southern River Otter	<i>Lutra annectens</i>	Colombia	5

<sup>6</sup>Most of these animals (929) were reported, probably erroneously, as *Procyon lotor* on the import declarations.

Common Name	Scientific Name	Country of Origin	Number Reported
Old World River Otter	<i>Lutra lutra</i>	Thailand	8
Spotted-necked Otter	+ <i>Lutra maculicollis</i>	Uganda	1
Otter	<i>Lutra</i> sp.	Peru Thailand	2 26 28
Hooded Skunk	+ <i>Mephitis macroura</i>	Honduras	1
Ermine	<i>Mustela erminea</i>	Canada	3
Giant Otter	<i>Pteronura brasiliensis</i>	Colombia	1
VIVERRIDAE			
Binturong	<i>Arctictis binturong</i>	Thailand	2
Ring-tailed Mongoose	+ <i>Galidia elegans</i>	Madagascar	2
Genet	<i>Genetta</i> sp.	Liberia	1
Dwarf Mongoose	<i>Helogale parvula</i>	Kenya	1
Banded Palm Civet	<i>Hemigalus derbyanus</i>	Thailand	1
Mongoose	+ <i>Herpestes auropunctatus</i>	Virgin Islands	26
Masked Palm Civet	<i>Paguma larvata</i>	Thailand	6
Common Palm Civet	<i>Paradoxurus hermaphroditus</i>	Indonesia Thailand	2 78 80
Banded Linsang	<i>Prionodon linsang</i>	Thailand	3
Lesser Oriental Civet	<i>Viverricula indica</i>	Indonesia Thailand	1 36 37

\*Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
FELIDAE			
Cheetah	<i>Acinonyx jubatus</i>	Somalia SW. Africa Tanzania West Germany	7 5 1 2 <u>15</u>
Golden Cat	+ <i>Felis aurata</i>	Liberia	2
Leopard Cat	<i>Felis bengalensis</i>	Indonesia Japan Laos Singapore Thailand Unknown	1 2 1 1 190 9 <u>204</u>
Domestic Cat	<i>Felis catus</i>	Taiwan Thailand	2 1 <u>3</u>
Jungle Cat	<i>Felis chaus</i>	Thailand	5
Puma Cougar Mountain Lion	<i>Felis concolor</i>	Argentina Brit. Honduras Canada Colombia Paraguay Peru Virgin Islands	6 1 1 13 16 2 1 <u>40</u>
Geoffroy's Cat	<i>Felis geoffroyi</i>	Paraguay	13
Marbled Cat	<i>Felis marmorata</i>	Malaysia	1
Ocelot	<i>Felis pardalis</i>	Brazil Bolivia Colombia Costa Rica Ecuador Guatemala	7 2 147 2 14 1

\*Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
Ocelot (cont'd)	<i>Felis pardalis</i>	Guyana Honduras Mexico Nicaragua Panama Paraguay Peru	3 12 1 24 1 13 132 <u>359</u>
Flat-headed Cat	<i>Felis planiceps</i>	Malaysia Singapore	2 1 <u>3</u>
Serval	<i>Felis serval</i>	Kenya	1
Temminck's Golden Cat	<i>Felis temmincki</i>	Thailand	4
Margay	<i>Felis wiedii</i>	Brazil Colombia Ecuador Guyana Mexico Nicaragua Panama Paraguay Peru	3 5 4 2 1 12 1 24 13 <u>65</u>
Jaguarundi	<i>Felis yagouaroundi</i> <i>Herpailurus yagouaroundi</i>	Colombia Ecuador Honduras Nicaragua Paraguay Peru	159 3 6 1 2 10 <u>181</u>
Cat	<i>Felis</i> sp.	Bolivia Brit. Honduras India Thailand	1 1 1 2 <u>5</u>
Lion	<i>Leo leo</i>	England Jamaica Kenya Unknown	1 3 12 1 <u>17</u>

Common Name	Scientific Name	Country of Origin	Number Reported
Jaguar	<i>Leo onca</i>	Brit. Honduras	2
	<i>Felis onca</i>	Canada	2
	<i>Panthera onca</i>	Colombia	3
		Honduras	1
		Nicaragua	3
		Panama	1
		Peru	2
			<u>14</u>
Leopard	<i>Leo pardus</i>	Canada	1
	<i>L. p. japonensis</i>	Denmark	4
		Laos	3
		Netherlands	1
		Thailand	1
			<u>10</u>
Tiger	<i>Leo tigris</i>	Canada	1
	<i>Panthera tigris</i>	Malaysia	<u>1</u> <u>2</u>
Canada Lynx	<i>Lynx canadensis</i>	Canada	2
Caracal	<i>Lynx caracal</i>	Somalia	2
Clouded Leopard	<i>Neofelis nebulosa</i>	Denmark	1
		Malaysia	<u>1</u> <u>2</u>
Snow Leopard	<i>Uncia uncia</i>	Denmark	2
		Netherlands	1
		U.S.S.R.	<u>2</u> <u>5</u>

#### PINNIPEDIA

#### PHOCIDAE

#### OTARIIDAE

African Fur Seal	+ <i>Arctocephalus pusillus</i>	S. Africa	10
California Sea Lion	<i>Zalophus californianus</i>	Mexico	20

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

Common Name	Scientific Name	Country of Origin	Number Reported
PHOCIDAE			
Elephant Seal	<i>Mirounga angustirostris</i>	Mexico	6
Baikal Seal	<i>Pusa sibirica</i>	West Germany	5
PROBOSCIDEA			
ELEPHANTIDAE			
Indian Elephant	<i>Elephas maximus</i>	Cambodia Thailand	1 40 41
African Elephant	<i>Loxodonta africana</i>	Kenya Rhodesia	19 7 26
HYRACOIDEA			
PROCAVIIDAE			
Tree Hyrax	<i>Dendrohyrax dorsalis</i>	Dahomey	2
Rock Hyrax	<i>Heterohyrax syriacus</i>	Canada Ethiopia	3 12 15
Rock Hyrax	<i>Procavia capensis</i>	Kenya SW. Africa	4 12 16
PERISSODACTYLA			
EQUIDAE			
Burchell's Zebra Grant's Zebra	<i>Equus burchelli</i>	Kenya SW. Africa Unknown	41 31 2 74
Grevy's Zebra	<i>Equus grevyi</i>	Kenya	17
Mountain Zebra Hartmann's Zebra	<i>Equus zebra</i>	SW. Africa	18

Common Name	Scientific Name	Country of Origin	Number Reported
TAPIRIDAE			
Asian Tapir	<i>Tapirus indicus</i>	Denmark	1
Malayan Tapir		Laos	$\frac{2}{3}$
Brazilian Tapir			
	<i>Tapirus terrestris</i>	Peru	2
RHINOCEROTIDAE			
White Rhinoceros	<i>Ceratotherium simum</i>	S. Africa	12
		West Germany	$\frac{2}{14}$
Black Rhinoceros			
	<i>Diceros bicornis</i>	Kenya	1
ARTIODACTYLA			
HIPPOPOTAMIDAE			
Pigmy Hippopotamus	<i>Choeropsis liberiensis</i>	Denmark	1
		Liberia	$\frac{2}{3}$
CAMELIDAE			
Dromedary Camel	<i>Camelus dromedarius</i>	Australia	42
Guanaco	<i>Lama guanaco</i>	Canada	3
Alpaca	<i>Lama pacos</i>	Canada	1
CERVIDAE			
Red Deer	<i>Cervus elaphus</i>	West Germany	3
Eld Deer	<i>Cervus eldi</i>	West Germany	1
Sika Deer	<i>Cervus nippon</i>	Canada	3
Formosan Sika Deer	<i>C. n. taiouanus</i>	West Germany	$\frac{3}{6}$
Pere David's Deer	<i>Elaphurus davidianus</i>	Canada	2
Red Brocket	<i>Mazama americana</i>	Mexico	7
Mule Deer	<i>Odocoileus hemionus</i>	Canada	16

Common Name	Scientific Name	Country of Origin	Number Reported
White-tailed Deer	<i>Odocoileus virginianus</i>	Canada Guatemala	35 4 <u>39</u>
Reindeer	<i>Rangifer tarandus</i>	Canada	5
		GIRAFFIDAE	
Giraffe	<i>Giraffa camelopardalis</i>	Australia SW. Africa	6 1 <u>7</u>
		BOVIDAE	
Impala	<i>Aepyceros melampus</i> A. m. melampus	SW. Africa Unknown	1 4 <u>5</u>
Red Hartebeest	<i>Alcelaphus buselaphus</i> <i>Alcelaphus caama</i>	SW. Africa	3
Springbuck	+ <i>Antidorcas marsupialis</i>	SW. Africa	3
Gaur	+ <i>Bos gaurus</i>	West Germany	3
Ibex	<i>Capra ibex</i>	West Germany	3
Blesbok	+ <i>Damaliscus albifrons</i>	West Germany	1
Roan Antelope	<i>Hippotragus equinus</i>	SW. Africa	14
Sable Antelope	<i>Hippotragus niger</i>	SW. Africa West Germany	4 3 <u>7</u>
Common Waterbuck	<i>Kobus ellipsiprymnus</i>	Unknown	1
Red Goral <sup>7/</sup>	+ <i>Naemorhedus goral</i>	West Germany	1
Domestic Sheep	<i>Ovis aries</i>	Canada	3
Dall's Sheep	<i>Ovis dalli</i>	Unknown	2

<sup>7</sup>Indicates a species or family that did not appear in previous listings.

<sup>7</sup>This common name would apply better to *N. cranbrooki* than the species listed.

Common Name	Scientific Name	Country of Origin	Number Reported
Reedbuck	+ <i>Redunca redunca</i>	Unknown	2
Eland	<i>Taurotragus oryx</i>	SW. Africa	5
Nyala	<i>Tragelaphus angasi</i>	Unknown	2
Bushbuck	<i>Tragelaphus scriptus</i>	Unknown	2
Greater Kudu	<i>Tragelaphus strepsiceros</i>	SW. Africa West Germany Unknown	6 1 2 9
UNKNOWN		Colombia Guyana SW. Africa	2 1 10 13

## RESULTS AND DISCUSSION

### Yearly Comparisons and Summaries

Numbers of mammals declared for importation into the United States declined from 93,653 in 1970 to 89,854 in 1971, a decrease of 3,799 individuals representing 4.06%. This change is not very significant, however, as all of this decrease can be more than accounted for by the decreased importation of hares (*Lepus*) from Canada. As in previous years, primates constituted a large majority of all animals imported accounting for 79,887 individuals or 88.91% of the total. This figure is similar to those obtained in previous years. Other major groups were also largely imported in much the same proportions as in preceding years (see below) although the number of lagomorphs reported seems to be quite variable from year to year.

### Group Percent of Total Imports

	1968	1969	1970	1971
Primates	87.80	88.61	83.69	88.91
Carnivora	2.75	3.75	5.19	4.63
Rodentia	2.10	1.90	1.52	1.94
Marsupialia	.95	1.73	1.06	1.83
Insectivora	.54	.62	.56	.97
Edentata	.47	.62	.58	.71
Chiroptera	.20	.35	.36	.34
Subtotal	<u>94.81</u>	<u>97.58</u>	<u>92.96</u>	<u>99.33</u>
Lagomorpha	<u>4.52</u>	<u>1.63</u>	<u>6.49</u>	<u>.07</u>
All others	.67	.79	.55	.60

<sup>+</sup>Indicates a species or family that did not appear in previous listings.

In 1971 a smaller diversity of major taxa was recorded from the declarations than in any previous year. This may have been caused in part by our method of analysis but also may be a function of decreased total importation. Below is a comparison of the number of each of these taxal groups imported from 1968 through 1971. Numbers may vary somewhat from those presented in previous reports since some taxa listed as distinct in previous reports are considered synonymous here.

<u>Years</u>	<u>Orders</u>	<u>Families</u>	<u>Genera</u>	<u>Species</u>	<u>Mammals Imported</u>
1968	17	62	190	288	129,520
1969	19	67	202	299	122,975
1970	18	62	192	296	93,653
1971	17	57	173	275	89,854
Total Taxa For All Years	19	82	308	526	436,002

In 1971, 3 families, 20 genera, and 44 species were listed that did not appear in the earlier lists. From 1968 through 1971, approximately 67% of the families, 31% of the genera, and 13% of the species of mammals of the world were imported into the United States.

Table 1 lists the mammalian families most commonly imported in 1971 and compares the contribution of these families to the total number of individuals imported during the four year period covered by the reports. In general, there has been considerable consistency from year to year with only the Viverridae showing a very marked change in 1971 from the ordinal rankings of previous years. Among the most frequently imported families only the Leporidae (4th, 5th, and 3rd in ordinal rank in 1968, 1969, and 1970, respectively) showed a marked decrease in ordinal rank in 1971.

At the specific level (Table 2), Squirrel Monkeys (*Saimiri sciureus*) and Rhesus Macaques (*Macaca mulatta*) continued to account for more than one out of every two mammals imported. The thirteen most abundantly imported species, all primates and all but four of New World origin, accounted for more than four of five (83%) mammals imported.

The marked increase in the numbers of Crab-eating Raccoons (*Procyon cancrivorus*) imported is probably more apparent than real since many of the raccoons listed as *Procyon lotor* in previous reports were probably this species. Many of the other major changes involving the ranking of the thirty most frequently imported species (e.g., *Cebus apella*, *Saguinus* spp.) probably also reflect nomenclatural difficulties encountered with the import declarations. Other changes (e.g., for *Rattus exulans*, *Desmodus rotundus*) are likely a true indication of year to year fluctuations in numbers imported.

Table 1. Families making principal contribution to numerical totals - 1968-1971.

Ordinal Rank in 1968, 1969, 1970, and 1971	Family	Number Reported 1971	Percent of Total Reported 1971	Numerical Change since 1970	Number Reported 1968-1971	Percent of Total Reported 1968-1971
1	Cebidae	43,675	48.61	+	2,131	49.11
2	Cercopithecidæ	29,810	33.18	-	1,658	31.93
3	Callithrichidæ	5,552	6.18	+	670	5.66
4	Procyonidæ	2,703	3.01	-	703	2.43
5	Didelphidæ	1,446	1.61	+	716	1.02
6	Felidæ	955	1.06	-	186	1.04
7	Sciuridæ	746	.83	+	391	.49
8	Tupaiidæ	708	.79	+	281	.49
9	Myrmecophagidæ	489	.54	+	65	.43
10	Lorisidæ	438	.49	+	284	.28
11	Dasyproctidæ	327	.36	-	32	.22
12	Phyllostomatidæ	312	.35	+	4	.30
13	Muridæ	290	.32	-	79	.446
14	Mustelidæ	222	.25	+	20	.35
15	Pongidæ	211	.23	+	20	.32
16	Hydrochaeridæ	172	.19	+	27	.22
17	Macropodidæ	167	.19	+	66	.15
18	Viverridæ	159	.18	+	141	.09
19	Erinaceidæ	155	.17	+	68	.05
20	Hylobatidæ	139	.15	+	37	.16
21					539	.12
		88,676		98.69		
					413,770	94.90

Table 2. Species of mammals most frequently imported.<sup>1</sup>

Ordinal Rank in 1968, 1969, 1970 and 1971	Species	Number (and percentage) of Total Imported 1971	Number (and percentage) of Total Imported 1968-1971
1	Squirrel Monkey, <i>Saimiri sciureus</i>	29,877 (33.25)	147,756 (33.89)
2	Rhesus Macaque, <i>Macaca mulatta</i>	22,097 (24.59)	103,794 (23.81)
3	Douroucouli, <i>Aotus trivirgatus</i>	3,728 (4.15)	17,336 (3.98)
4	Cotton-top Marmoset, <i>Saguinus oedipus</i>	2,374 (2.64)	11,292 (2.59)
5	Woolly Monkey, <i>Lagothrix lagothricha</i>	2,226 (2.48)	10,683 (2.45)
6	White-fronted Capuchin, <i>Cebus albifrons</i>	2,221 (2.47)	15,047 (3.45)
7	Grivet Monkey, <i>Cercopithecus aethiops</i>	2,211 (2.46)	10,629 <sup>2/</sup> (2.44)
8	Black-capped Capuchin, <i>Cebus apella</i>	2,036 (2.27)	4,691 (1.08)
9	White-lipped Tamarin, <i>Saguinus nigricollis</i>	1,787 (1.99)	7,202 (1.65)
10	Crab-eating Macaque, <i>Macaca fascicularis</i>	1,727 (1.92)	6,661 (1.53)
11	Black-handed Spider Monkey, <i>Atelopus geoffroyi</i>	1,617 (1.80)	6,140 (1.41)
12	Stump-tailed Macaque, <i>Macaca arctoides</i>	1,207 (1.34)	5,041 (1.16)
13	White-throated Capuchin, <i>Cebus capucinus</i>	1,133 (1.26)	6,239 (1.43)
14	Coati, <i>Nasua nasua</i>	1,129 (1.26)	4,407 (1.01)
15	Crab-eating Raccoon, <i>Procyon cancrivorus</i>	961 (1.07)	1,110 (0.25)
16	Moustached Tamarin, <i>Saguinus mystax</i>	863 (.96)	2,642 (.61)
17	Olive Baboon, <i>Papio anubis</i>	751 (.84)	1,976 (.45)
18	Tree Shrew, <i>Tupaia glis</i>	627 (.70)	2,036 (.47)
19	Vervet Monkey, <i>Cercopithecus pygerythrus</i>	606 (.67)	4,612 <sup>2/</sup> (1.06)
20	Kinkajou, <i>Potos flavus</i>	556 (.62)	2,135 (.49)

<sup>1</sup>This table includes all species for which over 150 individuals were declared for importation in 1971.

<sup>2</sup>Four year totals for *Cercopithecus aethiops* and *C. pygerythrus* are not highly accurate since we believe that a substantial number of *pygerythrus* were included with *aethiops* in the 1968, 1969, and 1970 reports. Totals for earlier years used here are estimates based on the proportions of the two species imported in 1971 and 1972.

\*Not listed in report or ordinal ranking lower than 50.

Table 2. (cont'd)

Ordinal Rank in 1968, 1969, 1970 and 1971	Species	Number (and percentage) of Total Imported 1971	Number (and percentage) of Total Imported 1968-1971
20	Pig-tailed Macaque, <i>Macaca nemestrina</i>	436 (.49)	2,149 (.49)
28	Tamandua, <i>Tamandua tetradactyla</i>	409 (.46)	1,480 (.34)
19	Ocelot, <i>Felis pardalis</i>	359 (.40)	1,974 (.45)
27	Red-mantled Tamarin, <i>Saguinus illigeri</i>	293 (.33)	779 (.19)
39	Pacific Rat, <i>Rattus exulans</i>	290 (.32)	813 (.19)
--*	Vampire Bat, <i>Desmodus rotundus</i>	272 (.30)	542 (.12)
--	Yellow Baboon, <i>Papio cynocephalus</i>	260 (.29)	316 (.07)
26	Tropical Red Squirrel, <i>Sciurus granatensis</i>	246 (.27)	1,099 (.25)
29	Chimpanzee, <i>Chimpanzee troglodytes</i>	205 (.23)	937 (.21)
48	Leopard Cat, <i>Felis bengalensis</i>	204 (.23)	952 (.29)
41	Jaguarundi, <i>Felis yagouaroundi</i>	181 (.20)	647 (.15)
33	Capybara, <i>Hydrochaeris hydrochaeris</i>	172 (.19)	650 (.15)
-30-	Pygmy Marmoset, <i>Cebuella pygmaea</i>	166 (.18)	1,194 (.27)
--*	Senegal Galago, <i>Galago senegalensis</i>	161 (.18)	423 (.10)
--*	Demidoff's Galago, <i>Galago demidovii</i>	151 (.17)	215 (.05)
		83,539 (92.97)	385,599 (88.44)

\*Not listed in report or ordinal ranking lower than 50.

## Sources of Imported Mammals

In 1971 imported mammals were received from 66 countries (Tables 3-4) as compared with 64 countries in 1970. Thirteen of these countries were not previously listed as sources of imported mammals; the total number of countries exporting mammals to the U.S. in 1970 and 1971 combined is 76. The newly listed countries accounted for a very small proportion (0.24%) of the total number of mammals imported.

Table 5 summarizes changes in numbers of mammals imported from the principal countries of origin. With the exception of Canada and Brazil, both of which exhibited significant decreases in the number exported, major sources of mammals in 1971 were largely the same as those of 1970. Three countries, Peru, India, and Colombia, accounted for over 70% of all mammals imported both years and in both years the first 20 countries listed accounted for over 97% of all importations.

Despite an overall slight decrease in importation, most regions showed little change from levels of importation in 1970 (Asia, Africa, and Central America) or increased slightly. The most pronounced regional increase was for South America from whence 53,843 animals were imported in 1971, as opposed to 50,534 in 1970, an increase of about 6.5%.

Table 3. Major sources from which the United States imported mammals in 1971.

Country of Origin, Number Imported, Percentage of Total Imported	Principal Families	Number Imported	Percentage of Total from Country	Percentage of Total in Family
1 PERU 30,590 34.04	Cebidae Callithricidae Procyonidae Dasyprotidae Felidae Myrmecophagidae Hydrochaeridae Erethizontidae Caviidae	27,882 1,335 877 222 159 31 29 10 10	91.15 4.36 2.87 .73 .52 .10 .09 .03 .03	63.84 24.05 32.45 67.89 16.65 6.34 16.86 28.57 33.33
		<u>30,555</u>	<u>99.89</u>	
2 INDIA 21,445 23.87	Cercopithecidae Ursidae Procyonidae Felidae	21,406 21 17 1	99.82 .10 .08 .00	71.81 28.00 .63 .10
		<u>21,445</u>	<u>100.00</u>	
3 COLOMBIA 20,913 23.27	Cebidae Callithricidae Didelphidae	13,109 3,843 1,372	62.68 18.38 6.56	30.01 69.23 94.88

Table 3. (cont'd)

Country of Origin, Number Imported, Percentage of Total Imported	Principal Families	Number Imported	Percentage of Total from Country	Percentage of Total in Family
COLOMBIA (cont'd)	Procyonidae	1,252	5.99	46.32
	Myrmecophagidae	449	2.15	91.82
	Felidae	327	1.56	34.24
	Sciuridae	259	1.24	34.72
	Hydrochaeridae	137	.66	79.65
	Mustelidae	72	.34	32.43
	Bradypodidae	39	.19	65.00
	Dasyproctidae	36	.17	11.01
		<u>20,895</u>	<u>99.91</u>	
4 THAILAND 3,937 4.38	Cercopithecidae	2,194	55.73	7.36
	Tupaiidae	708	17.98	100.00
	Sciuridae	377	9.58	50.54
	Felidae	203	5.16	21.26
	Viverridae	126	3.20	79.25
	Mustelidae	103	2.62	46.40
	Lorisidae	59	1.50	13.47
	Elephantidae	40	1.02	59.70
	Ursidae	38	.97	50.67
	Manidae	22	.56	95.65
	Hystricidae	12	.30	70.59
	Cynocephalidae	8	.20	100.00
		<u>3,890</u>	<u>98.81</u>	
5 NICARAGUA 1,411 1.57	Cebidae	1,047	74.20	2.40
	Procyonidae	156	11.06	5.77
	Sciuridae	83	5.88	11.13
	Felidae	40	2.83	4.19
	Dasyproctidae	37	2.62	11.31
	Didelphidae	31	2.20	2.14
	Erethizontidae	9	.64	25.71
	Bradypodidae	8	.57	13.33
		<u>1,411</u>	<u>100.00</u>	
6 MALAYSIA 1,280 1.42	Cercopithecidae	1,261	98.52	4.23
	Mustelidae	10	.78	4.50
	Felidae	5	.39	.52
	Hystricidae	4	.31	23.53
		<u>1,280</u>	<u>100.00</u>	
7 KENYA 1,237 1.38	Cercopithecidae	1,085	87.71	3.64
	Equidae	58	4.69	53.21
	Lorisidae	53	4.28	12.10
	Elephantidae	19	1.54	28.34
	Felidae	13	1.05	1.36
		<u>1,228</u>	<u>99.27</u>	

Table 3. (cont'd)

Country of Origin, Number Imported, Percentage of Total Imported	Principal Families	Number Imported	Percentage of Total from Country	Percentage of Total in Family
8 ETHIOPIA 1,220 1.36	Cercopithecidae Procaviidae	1,208 12 <u>1,220</u>	99.02 .98 <u>100.00</u>	4.05 36.36
9 SOMALIA 1,089 1.21	Cercopithecidae Felidae	1,080 9 <u>1,089</u>	99.17 .83 <u>100.00</u>	3.62 .94
10 PARAGUAY 984 1.10	Cebidae Procyonidae Felidae Dasyproctidae Mustelidae	792 73 68 47 4 <u>984</u>	80.49 7.42 6.91 4.78 .41 <u>100.00</u>	1.81 2.70 7.12 55.29 1.80
11 BRAZIL 669 .74	Callithricidae Cebidae Felidae	353 295 10 <u>658</u>	52.77 44.10 1.49 <u>98.36</u>	6.34 .68 1.05
12 GUYANA 510 .57	Cebidae Procyonidae Callithricidae Felidae	471 14 8 5 <u>498</u>	92.35 2.75 1.57 .98 <u>97.65</u>	1.08 .52 .14 .52
13 TANZANIA 497 .55	Cercopithecidae Pedetidae Felidae	490 6 1 <u>497</u>	98.59 1.21 .20 <u>100.00</u>	1.64 42.86 .10
14 PHILIPPINES 430 .48	Cercopithecidae	430	100.00	1.44
15 MEXICO 373 .42	Phyllostomidae Cricetidae Heteromyidae Otariidae Delphinidae Cervidae Phocidae	272 28 20 20 11 7 6 <u>364</u>	72.92 7.51 5.36 5.36 2.95 1.88 1.61 <u>97.59</u>	87.18 39.44 100.00 66.67 91.67 8.86 54.55

Table 3. (cont'd)

Country of Origin, Number Imported, Percentage of Total Imported	Principal Families	Number Imported	Percentage of Total from Country	Percentage of Total in Family
16 HONDURAS 358 .40	Procyonidae Cebidae Didelphidae Sciuridae Dasyprotidae Felidae Dasypodidae	210 32 29 23 19 19 12	58.66 8.94 8.10 6.42 5.31 5.31 3.35	7.77 .07 2.01 3.08 5.81 1.99 14.12
		<u>344</u>	<u>96.09</u>	
17 (HAWAII) 290 .32	Muridae	290	100.00	100.00
18 PAKISTAN 279 .31	Cercopithecidae Erinaceidae	190 89	68.10 <u>31.90</u>	.64 57.42
		<u>279</u>	<u>100.00</u>	
19 DAHOMEY 225 .25	Lorisidae Erinaceidae	198 17	88.00 7.56	45.21
		<u>215</u>	<u>95.56</u>	
		<u>87,737</u>		
		<u>97.64</u>		

Table 4. Minor sources of mammals imported into the United States in 1971. The first figure in parentheses is the number imported; the second represents the percentage of mammals in that family imported in 1971.

Country of Origin and Number Imported	Principal Groups Imported	Percentages of Total from Country
CANADA--187	Cervidae (61-77.22), Leporidae (60-100.00), Caviidae (20-66.67), Canidae (10-23.81), Ursidae (8-10.67) Felidae (7-.73), Sciuridae (4-.54), Mustelidae (4-1.80), Camelidae (4-8.70)	95.19
SIERRA LEONE--152	Pongidae (103-48.82), Cercopithecidae (49-.16)	100.00

Table 4. (cont'd)

Country of Origin and Number Imported	Principal Groups Imported	Percentages of Total From Country
ECUADOR--144	Procyonidae (87-3.22), Cebidae (33-.08), Felidae (21-2.20), Mustelidae (3-1.35)	100.00
NEW ZEALAND--134	Macropodidae (106-63.47), Phalangeridae (28-87.50)	100.00
BOTSWANA--117	Lorisidae (108-24.66), Pedetidae (8-57.14), Cercopithecidae (1-.003)	100.00
SOUTHWEST AFRICA --117	Equidae (49-44.95), Bovidae (36-54.55), Procaviidae (12-36.36), Unknown (10-76.92), Felidae (5-.52)	95.73
LAOS--108	Hylobatidae (81-58.27), Cercopithecidae (19-.06), Felidae (4-.42)	96.30
LIBERIA--103	Pongidae (87-41.23), Cercopithecidae (9-.03), Lorisidae (2-.46), Felidae (2-.21), Hippopotamidae (2-66.67)	99.03
SINGAPORE--103	Hylobatidae (57-41.01), Cercopithecidae (26-.09), Lorisidae (13-2.97)	93.20
+INDONESIA--100	Cercopithecidae (83-.28), Macropodidae (13-7.78), Viverridae (3-1.87)	99.00
NIGERIA--91	Cercopithecidae (91-.31)	100.00
AUSTRALIA--82	Camelidae (42-91.30), Macropodidae (27-16.17), Giraffidae (6-85.71), Pteropidae (5-50.00), Tachyglossidae (2-40.00)	100.00
SENEGAL--82	Cercopithecidae (82-.28)	100.00
WEST GERMANY--71	Erinaceidae (37-23.87), Bovidae (12-18.18), Cervidae (7-8.86), Phocidae (5-45.45), Pongidae (3-1.42)	90.14
PANAMA--58	Callithricidae (12-.22), Procyonidae (9-.33), Cebidae (7-.02), Echimyidae (7-100.00), Bradypodidae (5-8.33)	68.97

<sup>+</sup>Indicates a country from which imported mammals were not recorded in 1970.

Table 4. (cont'd)

Country of Origin and Number Imported	Principal Groups Imported	Percentages of Total from Country
TRINIDAD--48	Phyllostomatidae (40-12.82), Dasypodiae (7-8.24), Myrmecophagidae (1-2.08)	100.00
GHANA--47	Cercopithecidae (42-.14), Pongidae (4-1.90), Canidae (1-2.38)	100.00
+ISRAEL--31	Cricetidae (30-42.25), Pongidae (1-.47)	100.00
+VIRGIN ISLANDS--27	Viverridae (26-16.35), Felidae (2-.21)	100.00
COSTA RICA--26	Cricetidae (9-12.68), Didelphidae (7-.48), Cebidae (7-.02)	88.46
FRANCE--23	Erinaceidae (12-7.74), Lemuridae (11-64.71)	100.00
ARGENTINA--22	Dasyprodidae (10-11.76), Felidae (6-.63), Chinchillidae (4-57.14)	90.91
SOUTH AFRICA--22	Rhinocerotidae (12-80.00), Otariidae (10-33.33)	100.00
+TAIWAN--22	Cercopithecidae (20-.07), Felidae (2-.21)	100.00
NETHERLANDS--20	Canidae (15-35.71), Felidae (2-.21)	85.00
NEW GUINEA--20	Macropodidae (17-10.18), Tachyglossidae (3-60.00)	100.00
MADAGASCAR--14	Tenrecidae (8-100.00), Lemuridae (4-23.53), Viverridae (2-1.26)	100.00
BOLIVIA--11	Octodontidae (5-100.00), Chinchillidae (3-42.86), Felidae (3-.31)	100.00
DENMARK--11	Felidae (7-.73), Canidae (2-4.76)	81.82

<sup>+</sup>Indicates a country from which imported mammals were not recorded in 1970.

Table 4. (cont'd)

Country of Origin and Number Imported	Principal Groups Imported	Percentages of Total From Country
ENGLAND--11	Cercopithecidae (10-.03)	90.91
+BRITISH HONDURAS--10	Dasypodidae (5-5.88), Felidae (4-.42)	90.00
+IVORY COAST--10	Pongidae (10-4.74)	100.00
+RHODESIA--7	Elephantidae (7-10.45)	100.00
GUATEMALA--6	Cervidae (4-5.06), Felidae (1-.10)	83.33
MOROCCO--5	Cercopithecidae (5-.02)	100.00
+BRIT. SOLOMON IS.-4	Phalangeridae (4-12.50)	100.00
CAMEROON--4	Lorisidae (3-.68), Manidae (1-4.35)	100.00
U.S.S.R.--4	Ursidae (2-2.67), Felidae (2-.21)	100.00
+JAMAICA--3	Felidae (3-.31)	100.00
ITALY--2	Canidae (2-4.76)	100.00
JAPAN--2	Felidae (2-.21)	100.00
+SUDAN--2	Cercopithecidae (2-.01)	100.00
CAMBODIA--1	Elephantidae (1-1.49)	100.00
CONGO--1	Pongidae (1-.47)	100.00
+LIBYA--1	Canidae (1-2.38)	100.00
+SOUTH VIETNAM--1	Cercopithecidae (1-.003)	100.00
SWITZERLAND--1	Lemuridae (1-5.88)	100.00
+UGANDA--1	Mustelidae (1-.45)	100.00

<sup>+</sup>Indicates a country from which imported mammals were not recorded in 1970.

Table 5. Comparison of Numbers of Mammals Imported 1970-1971  
from Countries Exporting to the United States.

Country of Origin	Ordinal Rank 1970	Total Imported 1970	Total Imported 1971	Numerical Change	% Change
1 Peru	1	29,870	30,590	+ 720	+ 2.41
2 India	2	22,105	21,445	- 660	- 2.99
3 Colombia	3	16,718	20,913	+ 4,195	+ 25.09
4 Thailand	5	3,287	3,937	+ 650	+ 19.77
5 Nicaragua	7	1,741	1,411	- 330	- 18.95
6 Malaysia	9	1,556	1,280	- 276	- 17.74
7 Kenya	10	1,342	1,237	- 105	- 7.82
8 Ethiopia	8	1,719	1,220	- 499	- 29.03
9 Somalia	12	628	1,089	+ 461	+ 73.41
10 Paraguay	13	553	984	+ 431	+ 77.94
11 Brazil	6	2,733	669	- 2,064	- 75.52
12 Guyana	15	449	510	+ 61	+ 13.59
13 Tanzania	11	924	497	- 427	- 46.21
14 Philippines	23	100	430	+ 330	+ 330.00
15 Mexico	20	176	373	+ 197	+ 111.93
16 Honduras	17	299	358	+ 59	+ 19.73
17 [Hawaii]	16	310	290	- 20	- 6.45
18 Pakistan	14	508	279	- 229	- 45.08
19 Dahomey	47	15	225	+ 210	+ 1,400.00
20 Canada	4	6,198	187	- 6,011	- 96.98
21 Sierra Leone	22	113	152	+ 39	+ 34.51
22 Ecuador	18	198	144	- 54	- 27.27
23 New Zealand	19	177	134	- 43	- 24.29
24 Botswana	28	59	117	+ 58	+ 98.31
25 Southwest Africa	34	34	117	+ 83	+ 244.12
26 Laos	29	54	108	+ 54	+ 100.00
27 Liberia	25	74	103	+ 29	+ 39.19
28 Singapore	26	73	103	+ 30	+ 41.10
29 Indonesia	NA	0	100	+ 100	NA
30 Nigeria	21	151	91	- 60	- 39.74
Subtotal		92,164	89,093	- 3,071	- 3.33
All other Countries*		1,489	761	- 728	- 48.89
Total		93,653	89,854	- 3,799	- 4.06

\* Includes mammals for which country of origin is unknown

# Primates Used for Research in 1971

Some data on the numbers of mammals used for research in 1971 were compiled by the Institute of Laboratory Animal Resources (ILAR News, 1972, vol. 16, no. 1). These data allow us to make a general comparison of the number of primates sold and bred<sup>1</sup> with those declared for importation in the same year. As in 1968 and 1969 (Jones, 1970; Jones and Paradiso, 1972), more species and individuals of New World primates were declared for importation in 1971 than were sold or bred in the United States, and fewer individuals of Old World primates were declared for importation than were used for research in that year. Altogether, 23,908 more primates were imported than were reported as used for research. Some of these discrepancies between the two sets of figures may have resulted from methods of gathering the data; many primates may have been either unreported or included in nondesignated categories.

In the following list (Table 6) of primates used for research in the United States in 1971, numbers of animals sold and bred in 1968 were taken from ILAR News (1972) and numbers imported are from Bureau data.

Table 6. Comparison of Numbers of Primates Used for Research With Numbers Imported in 1971

### Used for Research

	Sold	Bred	Total	Imported
NEW WORLD PRIMATES				
CEBIDAE				
<i>Alouatta</i>	-	-	-	76
<i>Actus</i>	4,308	158	4,466	3,728
<i>Ateles</i>	249	10	259	1,889
<i>Callicebus</i>	-	9	9	174
<i>Cebus</i>	541	134	675	5,619
<i>Lagothrix</i>	-	4	4	2,226
<i>Pithecia</i>	-	-	-	84
<i>Saimiri</i>	7,595	528	8,123	29,879
Subtotal	<u>12,693</u>	<u>843</u>	<u>13,536</u>	<u>43,675</u>

<sup>1</sup>Here equivalent to the numbers listed from commercial and random sources, respectively, in the ILAR tabulation. The "random sources" category possibly includes some animals caught in the wild and subsequently recovered from pounds or animal shelters as well as any obtained in the wild by the research institutions involved.

Table 6. (cont'd)

	Sold	Bred	Total	Imported
CALLITHRICIDAE				
<i>Callimico</i>	2	3	5	-
<i>Callithrix</i>	-	-	-	53
<i>Cebuella</i>	-	-	-	166
<i>Saguinus</i>	-	-	-	5,330
Marmosets	2,691	545	3,236	3
Subtotal	<u>2,693</u>	<u>548</u>	<u>3,241</u>	<u>5,552</u>
Not Designated	-	-	-	1
Total New World Primates	<u>15,386</u>	<u>1,391</u>	<u>16,777</u>	<u>49,228</u>
OLD WORLD PRIMATES				
LEMURIDAE				
<i>Lemur</i>	-	-	-	15
<i>Microcebus</i>	-	-	-	2
Subtotal	<u>-</u>	<u>-</u>	<u>-</u>	<u>17</u>
LORISIDAE				
<i>Arctocebus</i>	-	-	-	1
<i>Galago</i>	20	53	73	313
<i>Loris</i>	-	-	-	2
<i>Nycticebus</i>	-	-	-	72
<i>Perodicticus</i>	-	-	-	50
Subtotal	<u>20</u>	<u>53</u>	<u>73</u>	<u>438</u>

Table 6. (cont'd)

	Sold	Bred	Total	Imported
CERCOPITHECIDAE				
<i>Cercocebus</i>	6	47	53	4
<i>Cercopithecus</i>	2,643	192	2,835	2,935
<i>Colobus</i>	-	-	-	13
<i>Erythrocebus</i>	79	11	90	105
<i>Macaca</i>	28,430	4,963	33,393	25,567
<i>Nasalis</i>	-	-	-	2
<i>Papio</i>	1,220	1,003	2,223	1,092
<i>Presbytis</i>	-	49	49	67
<i>Pygathrix</i>	-	-	-	5
<i>Theropithecus</i>	-	-	-	20
Subtotal	<u>32,378</u>	<u>6,265</u>	<u>38,643</u>	<u>29,810</u>
HYLOBATIDAE				
<i>Hylobates</i>	6	1	7	139
PONGIDAE				
<i>Chimpanzee</i>	155	66	221	205
<i>Gorilla</i>	-	-	-	5
<i>Pongo</i>	-	-	-	1
Subtotal	155	66	221	211
Not Designated	258	-	258	44
Total Old World Primates	<u>32,817</u>	<u>6,385</u>	<u>39,202</u>	<u>30,659</u>
Total Primates	<u>48,203</u>	<u>7,776</u>	<u>55,979</u>	<u>79,887</u>

## Imported Rare and Endangered Species

Some species of mammals listed in the Red Data Book (1972) by the International Union for the Conservation of Nature and Natural Resources were declared for importation in 1971. Numerous subspecies of rare and endangered mammals listed in the Red Data Book may have been included among mammals imported in 1971, but identifications were usually not made to subspecies on the import declarations.

Species of mammals listed in the IUCN Red Data Book in 1972, that were declared for importation into the United States in 1971, are listed in Table 7 below. Letters to the left of names indicate their status in the Red Data Book with V indicating vulnerable; R, rare; and E, endangered. Those marked with an asterisk are included on the United States' list of foreign species in danger of extinction. Except for most of the felids, which were placed on the list only recently, none could be imported during 1971 without a special permit.

Table 7. Rare and endangered species of mammals imported into the United States in 1971.

Common Name	Scientific Name	Number Imported 1971	Number Imported 1968-1971
<b>LEMURIDAE</b>			
V * Ring-tailed Lemur	<i>Lemur catta</i>	3	73
V * Mongoose Lemur	<i>Lemur mongoz</i>	9	25
* Ruffed Lemur	<i>Lemur variegatus</i>	3	8
* Lesser Mouse Lemur	<i>Microcebus murinus</i>	2	15
<b>CEBIDAE</b>			
* Squirrel Monkey	<i>Saimiri oerstedii</i>	2	2
<b>CERCOPITHECIDAE</b>			
E * Lion-tailed Macaque	<i>Macaca silenus</i>	2	17
E * Douc Langur	<i>Pygathrix nemaeus</i>	5	35
<b>PONGIDAE</b>			
V Chimpanzee	<i>Chimpanzee troglodytes</i>	205	937
V * Gorilla	<i>Gorilla gorilla</i>	5	26
E * Orang-utan	<i>Pongo pygmaeus</i>	1	2
<b>MYRMECOPHAGIDAE</b>			
V Giant Anteater	<i>Myrmecophaga tridactyla</i>	75	309
<b>CANIDAE</b>			
V Gray Wolf	<i>Canis lupus</i>	5	18
V * Maned Wolf	<i>Chrysocyon brachyurus</i>	3	14
V African Hunting Dog	<i>Lycaon pictus</i>	3	8
R Bush Dog	<i>Speothos venaticus</i>	2	3
<b>URSIDAE</b>			
V Polar Bear	<i>Ursus maritimus</i>	5	17
<b>MUSTELIDAE</b>			
E * Giant Otter	<i>Pteronura brasiliensis</i>	1	8

Table 7. (cont'd)

Common Name	Scientific Name	Number Imported 1971	Number Imported 1968-1971
FELIDAE			
V * Cheetah	<i>Acinonyx jubatus</i>	15	158
V * Ocelot	<i>Felis pardalis</i>	359	1,974
* Margay	<i>Felis wiedii</i>	65	242
V * Jaguar	<i>Leo onca</i>	14	73
V * Leopard	<i>Leo pardus</i>	10	58
* Tiger	<i>Leo tigris</i>	2	13
V Clouded Leopard	<i>Neofelis nebulosa</i>	2	19
E * Snow Leopard	<i>Uncia uncia</i>	5	20
ELEPHANTIDAE			
V Indian Elephant	<i>Elephas maximus</i>	41	123
EQUIIDAE			
V Mountain Zebra	<i>Equus zebra</i>	18	28
TAPIRIDAE			
* Brazilian Tapir	<i>Tapirus terrestris</i>	2	204
RHINOCEROTIDAE			
V Black Rhinoceros	<i>Diceros bicornis</i>	1	3
HIPPOPOTAMIDAE			
R Pygmy Hippopotamus	<i>Choeropsis liberiensis</i>	3	6
CERVIDAE			
E * Eld's Deer	<i>Cervus eldi</i>	1	4
BOVIDAE			
V * Gaur	<i>Bos gaurus</i>	3	3
		872	4,444

## Importation of Restricted Mammals

Federal regulations (Title 50, Part 13, Section 13.5) of 1967 restrict the importation of five groups of mammals. Representatives of two of these prohibited groups were declared for importation in 1971.

Common Name	Scientific Name	Number Reported
Indian Flying Fox	<i>Pteropus giganteus</i>	5
Gray-headed Fruit Bat	<i>Pteropus poliocephalus</i>	5
Dwarf Mongoose	<i>Helogale parvula</i>	1
Mongoose	<i>Herpestes auropunctatus</i>	26

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## LITERATURE CITED

Anderson, S., and J. Jones, Jr. 1967. Recent mammals of the world. Ronald Press Company, New York. 453 p.

Clapp, R.B. and R.C. Banks. 1973. Birds imported into the United States in 1971. Bureau of Sport Fisheries and Wildlife, Special Scientific Report--Wildlife No. 164. 102 p.

Dandelot, P. 1959. Note sur la classification des cercopitheques du groupe *Aethiops*. *Mammalia* 23:357-368.

Jones, C. 1970. Mammals imported into the United States in 1968. Bureau of Sport Fisheries and Wildlife, Special Scientific Report--Wildlife No. 137. 30 p.

Jones, C., and J.L. Paradiso. 1972. Mammals imported into the United States in 1969. Bureau of Sport Fisheries and Wildlife, Special Scientific Report--Wildlife No. 147. 33 p.

Paradiso, J.L., and R.D. Fisher. 1972. Mammals imported into the United States in 1970. Bureau of Sport Fisheries and Wildlife, Special Scientific Report--Wildlife No. 161. 62 p.

Red Data Book. 1972. *Mammalia*. International Union for the Conservation of Nature and Natural Resources, Morges, Switzerland. Vol. 1.

Soini, P. 1972. The capture and commerce of live monkeys in the Amazonian region of Peru. pp. 26-36 in International Zoo Yearbook, vol. 12, Zoological Society of London, London, England.







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